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PROCEEDINGS OF THE EIGHTH ANNUAL MEETING
OF THE
KANSAS ACADEMY OF SCIENCE

The eighth annual meeting of the Kansas Academy of Science was held in the Senate Chamber, at Topeka, beginning at 3 p. m. October 12th, and closing at 10 p. m. October 13th.

Among the proceedings of the Academy, the following will be of public interest:

A resolution was presented and passed as follows:

"Resolved, That the increasing popular demand for scientific information makes it a duty of members of this Association to embrace every appropriate occasion to aid the efforts of those seeking the introduction of the natural sciences into the common schools."

A committee, consisting of Profs. W. K. Kedzie, M. V. B. Knox and B. F. Mudge, was appointed to draft resolutions in regard to the necessity for a geological survey of the State, for presentation to the Legislature. The following report was unanimously adopted as an expression of the opinions of the Academy:

"It is now notoriously the fact that tons of choice minerals and fossils of Kansas are being shipped by collectors to the cabinets of eastern universities.

"It is exceedingly important for the educational and scientific interests of the State that these valuable specimens should be detained in the cabinets of the State.

"There is also a constantly increasing demand for more accurate and intelligent information as to the coal, gypsum, salt and other resources of the State.

"It is also well known that much money has been wasted in this State, in useless mining enterprises, which might have been saved by proper geological knowledge. Therefore,

"Resolved, 1st, That in the opinion of this Academy, a thorough geological survey of the State is imperatively needed.

"2d. This survey is necessary to develop fully the coal, salt, gypsum, lead, zinc, building stone, ochre and other resources of the State.

"3d. That such a survey should also include a thorough investigation of the rain-fall, spring and river system and general water supply of the State.

"4th. That the material already accumulated by this Academy, including lists of plants, birds, minerals and insects of the State, will be gladly contributed to this work.

"5th. That not only would such a survey place us on an equality with the more advanced States of the Union, but must prove for the State a most profitable monetary investment."

The resolutions were given to the Executive Committee of the Academy, who were directed to act thereon in conjunction with the State Board of Agriculture.

The following papers were read:

Additions to the Catalogue of the Lepidoptera of Kansas, by Prof. F. H. Snow.

Observations of the Botany of Kansas, with list of Plants observed since last year, by Prof. J. H. Carruth.

Descriptions of the several stages of *Plagiodesma scripta* Fabr.—by William Osburn.

Remarks on some Characteristic Fossils of Western Kansas, by Prof. B. F. Mudge.

On the Hot Bluffs of the Missouri River in Nebraska, by Prof. W. K. Kedzie.

On the San Juan Mining Region, by Dr. W. H. Saunders.

On the Habits of certain Larvae, by Geo. F. Gaumer.

Catalogue of the Mammals of Kansas, with notes, by Prof. M. V. B. Knox.

On the Ozone in the Atmosphere of Kansas, by Prof. W. K. Kedzie.

Additions to the Catalogue of Kansas Birds, by Prof. F. H. Snow.

On the Chalk of Kansas, by Prof. G. E. Patrick.

On the Larva and Chrysalis of the Sage sphinx (*Sphinx lugens* Walker), by Prof. F. H. Snow.

The following officers were elected for the ensuing term of one year:

President—Frank H. Snow.

Vice Presidents—B. F. Mudge, J. H. Carruth.

Secretary—Joseph Savage.

Treasurer—R. J. Brown.

Curators—F. H. Snow, W. K. Kedzie, E. A. Popenoe.

The following commissions were also appointed:

Geology—B. F. Mudge, M. V. B. Knox.

Chemistry and Mineralogy—W. K. Kedzie, G. E. Patrick.

Mammalogy—M. V. B. Knox.

Ornithology—F. H. Snow.

Entomology: Lepidoptera—F. H. Snow; Coleoptera—E. A. Popenoe; Hymenoptera—William Osburn; Diptera—George F. Gaumer.

Botany—J. H. Carruth, John Wherrell.

Engineering—F. W. Bardwell, William Tweeddale.

Meteorology—J. D. Parker.

Philology—D. H. Robinson.

Committee on Publication—B. F. Mudge, Chairman; A. Gray, F. H. Snow.

Committee on Local Arrangements—P. McVicar, Chairman; A. H. Thompson, E. A. Popenoe.

The Society adjourned to meet in 1876, in Topeka—the date to be announced by the Executive Committee.

E. A. POPENOE, Seeretary pro tem.

OZONE IN KANSAS ATMOSPHERE

By Prof. Wm. K. Kedzie, of the State Agricultural College.

We hear much from every quarter of the healthfulness so generally characteristic of the climate of Kansas; and no person long resident within the State can have failed to be strongly impressed by the unmistakable health producing and health-sustaining features of Kansas atmosphere.